	Application No.	Applicant(s)
Notice of Allowability	09/823,991	PINARD, DEBORAH L.
	Examiner	Art Unit	
	Phuong N. Hoang	2126	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *applicant's remarks on 8/7/04* .

2. ☒ The allowed claim(s) is/are *1- 2, 6 - 11, 14, 16 - 27, 30 - 34, and 37; now renumbered as 1 - 27.*

3. ☒ The drawings filed on *03 April 2001* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

MENG-AI T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the

changes and/or additions be unacceptable to applicant, an amendment may be

filed as provided by 37 CFR 1.312. To ensure consideration of such an

amendment, it MUST be submitted no later than the payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone

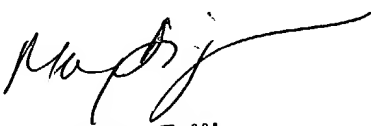interview with Ms. Anne Kinsman (Reg. No. 45,291) on 8/17/04.

Amend the claims in accordance to the attachment in the e-mail, filed by

applicant.

3.   Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Phuong N. Hoang whose telephone number

is (703) 605-4239. The examiner can normally be reached on Monday - Friday

9:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Meng-Ai An can be reached on (703)305-9678. The fax

phone number for the organization where this application or proceeding is

assigned is 703-872-9306.

Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information

for published applications may be obtained from either Private PAIR or Public

PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free).

Ph
August 17, 2004

MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

From:	Anne Kinsman [AKinsman@blgcanada.com]
Sent:	Tuesday, August 17, 2004 12:05 PM
To:	Hoang, Phuong
Cc:	debbie@prairiefyre.com
Subject:	United States Patent Appln No. 09/823,991

IP-OTT-1-684580v1.DO

c   United States Patent Appln No. 09/823,991
Title: DATA DRIVEN COMMUNICATION SYSTEM
Inventor(s): PINARD, Deborah, L.
Our File: PAT 392-2 US

Dear Ms. Hoang:

I have attached an amended claim set, with the dependency of claim 34 fixed.

Further to our telephone conversation, you are authorized to enter this amendment by an Examiner's amendment. I look forward to receiving the Notice of Allowance.

Thank you for your efforts in this case.

Best regards,

Anne Kinsman
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Amendments to the Claims:

This listing of claims will replace all prior version, and listings, of the claims in the application:

Listing of Claims:

1. (presently amended) A method for establishing a communication path in a data-driven communication system, comprising:

defining a first layer agent, a first set of predetermined policies for linking the first layer agent to a second layer agent, and a second set of predetermined policies for linking the second layer agent to a third layer agent;

receiving, at the first layer agent, data related to a communication;

invoking a first policy of the first set of predetermined policies in accordance with the data related to the communication;

establishing a first policy chain through the first set of predetermined policies linking the first layer agent and the second layer agent;

invoking a policy of the second set of predetermined policies in accordance with data received from the second layer agent; ~~and~~

establishing a second policy chain through the second set of predetermined policies linking the second layer agent and the third layer agent, the first and second policy chains determining a communication path between the first layer agent and the third layer agent; and

modifying the communication path in response to at least one system feature associated with a trigger table pointing to a policy chain.

2. (original) The method of claim 1, wherein the first layer agent is a destination agent, the second layer agent is a node agent, and the third layer agent is a device agent.

3. (previously cancelled)

4. (previously cancelled)

5. (previously cancelled)

6. (previously amended) The method of claim 1, wherein receiving the data related to the communication path includes receiving system parameters.

7.   (previously amended) The method of claim 1, wherein receiving the data related to the communication includes receiving a system time.

8.   (previously amended) The method of claim 1, wherein receiving the data related to the communication includes receiving a system date.

9.   (previously amended) The method of claim 8, wherein receiving the data related to the communication includes receiving a day of week.

10.   (presently amended) A data-driven communication system for establishing a data-driven communication path, comprising:

a first layer agent operable to receive data related to a communication;

a second layer agent linked to the first layer agent by a first set of predetermined policies such that a first policy chain can be established therebetween, in accordance with the data related to the communication, thereby linking the first layer agent to the second layer agent; and

a third layer agent linked to the second layer agent by a second set of predetermined policies such that a second policy chain can be established therebetween, in accordance with data received from the second layer agent, thereby linking the second layer agent to the third layer agent and establishing a data-driven communication path between the first layer agent and the third layer agent; and

at least one system feature for modifying the communication path, the at least one system feature triggered in accordance with a trigger table which points to a policy chain.

11.   (original)   The communication system of claim 10, wherein the first layer agent is a device agent, the second layer agent is a node agent, and the third layer agent is a destination agent.

12.   (previously cancelled)

13.   (previously cancelled)

14.   (previously amended) The communication system of claim 10, wherein the communication path is a communication path of a half call.

15.   (cancelled)

16.   (presently amended) The communication system of claim ~~15~~ 10, wherein the at least one system feature is an in-call feature.

17.   (presently amended) The communication system of claim ~~15~~ 10, wherein the at least one system feature is a data modifying feature.

18.   (presently amended) The communication system of claim ~~15~~ 10, wherein the at least one system feature is an advanced programmable system feature.

19.   (previously amended) The communication system of claim 10, wherein the first, second and third layer agents are implemented as instances of objects.

20.   (previously amended) The communication system of claim 10, further comprising a database having entries corresponding to instances of the first, second and third layer agents.

21.   (previously amended) The communication system of claim 20, wherein the database comprises tables corresponding respectively to instances of the first, second and third layer agents.

22.   (previously amended) The communication system of claim 21, wherein the database further comprises a table corresponding to the first and second sets of predetermined policies.

23.   (original)   The communication system of claim 22, including means for configuring the system through the database upon startup.

24.   (original)   The communication system of claim 22, including means for reconfiguring the system through the database.

25.   (original)   The communication system of claim 20, further including a user interface for entering changes to the database.

26.   (original)   The communication system of claim 25, wherein the user interface is a graphical user interface for displaying modifiable icons, representing agents and policies, and modifiable interconnections between them, for facilitating modification of the database.

27.   (previously amended) The communication system of claim 18, wherein the at least one advanced programmable system feature is triggered by a tone given for a reason.

28.   (cancelled)

29.   (cancelled)

30.   (original)   The communication system of claim of claim 18, wherein the policy chain determines the advanced programmable system feature to be triggered.

31.   (presently amended) The communication system of claim 10, wherein a the trigger table is associated to an agent.

32.   (original)   The communication system of claim 20, wherein the database includes trigger tables.

33.   (original)   The communication system of claim 20, wherein the database includes advanced programmable system feature definitions.

34.   (presently amended) The communication system of claim 15 10, wherein the at least one system feature is triggered by an event in a state.

35.   (cancelled)

36.   (cancelled)

37.   (presently amended) The communication system of claim 36 10, wherein the policy chain determines the at least one system feature to be triggered.